

Author Index / Index des auteurs

Under each name are listed, in chronological order of publication, all articles in which an author has participated/
Chaque notice indique, dans l'ordre chronologique de publication, tous les articles auxquels l'auteur a participé

- Anderson, H.W.**
Clonal variation in gross heat of combustion of juvenile *Populus* hybrids
C.B.R. SASTRY and H.W. ANDERSON 245
- Archibold, O.W.**
Seed input into a postfire forest site in northern Saskatchewan
O.W. ARCHIBOLD 129
- Armentano, T.V.**
The role of temperate zone forests in the global carbon cycle
THOMAS V. ARMENTANO and C.W. RALSTON 53
- Auclair, A.N.**
Dimension analysis of various components of black spruce in subarctic lichen woodland
ANDREW N. RENCZ and ALLAN N. AUCLAIR 491
- Ausmus, B.S.**
A regional approach to litter dynamics in Southern Appalachian forests
D.M. SHARPE, K. CROMACK, JR., W.C. JOHNSON, and B.S. AUSMUS 395
- Ayyamperumal, P.**
Distribution of methyl benzimidazol-2-yl carbamate phosphate in elm: effects of chemical properties and formulation variables
D.N. ROY, J.R. PURDY, and P. AYYAMPERUMAL 143
- Bailey, R.L.**
The potential of Weibull-type functions as flexible growth curves: discussion
ROBERT L. BAILEY 117
- Ballard, T.M.**
Resistance to water uptake by Douglas-fir seedlings in soils of different texture
M.G. DOSSKEY and T.M. BALLARD 530
- Barker, N.A.**
Cone moisture content influences seed release in lodgepole pine
A.K. HELLM and N.A. BARKER 239
- Barnes, B.V.**
Flowering phenology of *Populus tremuloides* and *P. grandidentata* and the potential for hybridization
KURT S. PREGITZER and BURTON V. BARNES 218
- Barnes, R.L.**
Photosynthate allocation in *Pinus taeda*. II. Seasonal aspects of photosynthate allocation to different biochemical fractions in shoots
HSU-HO CHUNG and ROBERT L. BARNES 338
- Barnes, R.L.**
Photosynthate allocation in *Pinus taeda*. III. Photosynthate economy: its production, consumption and balance in shoots during the growing season
HSU-HO CHUNG and ROBERT L. BARNES 348
- Barnes, R.L.**
Seasonal changes in energy allocation by white oak (*Quercus alba*)
S.B. McLAUGHLIN, R.K. McCONATHY, R.L. BARNES, and N.T. EDWARDS 379
- Basham, J.T.**
The use of genetic strains in studying the activity and interactions of a fungus inoculated in the stems of living sugar maple
J.T. BASHAM and H.M. GOOD 209
- Behrns, G.T.**
Water deficits and root growth of ectomycorrhizal white oak seedlings
R.K. DIXON, G.M. WRIGHT, G.T. BEHRNS, R.O. TESKEY, and T.M. HINCKLEY 545
- Bernier, P.Y.**
Modélisation de la coulée de l'érable à sucre (*Acer saccharum* Marsh.) à partir d'éléments météorologiques
ANDRÉ P. PLAMONDON et PIERRE Y. BERNIER 152
- Binder, W.D.**
Changes in mitotic index during onset of dormancy in Douglas-fir seedlings
W.C. CARLSON, W.D. BINDER, C.O. FEENAN, and C.L. PREISIG 371
- Blanchard, R.O.**
Electrical resistance measurements to detect Dutch elm disease prior to symptom expression
ROBERT O. BLANCHARD and JONATHAN K. CARTER 111

- Bloomberg, W.J.**
A model of spread and intensification of dwarf mistletoe infection in young western hemlock stands
W.J. BLOOMBERG, R.B. SMITH, and A. VAN DER WERELD 42
- Borden, J.H.**
Ethanol and α -pinene as synergists for the aggregation pheromones of two *Gnathotrichus* species
J.H. BORDEN, B.S. LINDGREN, and L. CHONG 290
- Brix, H.**
Effects of thinning and nitrogen fertilization on xylem development in Douglas-fir
H. BRIX and A.K. MITCHELL 121
- Bruck, R.I.**
Interacting environmental factors associated with the incidence of hypoxylon canker on trembling aspen
ROBERT I. BRUCK and PAUL D. MANION 17
- Canavera, D.S.**
Differential response of paper birch provenances to aluminum in solution culture
K.C. STEINER, L.H. MCCORMICK, and D.S. CANAVERA 25
- Carlson, L.W.**
The effect of growth retardants and inhibitors on container-grown *Pinus contorta* and *Picea glauca*
G.D. WESTON, L.W. CARLSON, and E.C. WAMBOLD 510
- Carlson, W.C.**
Comparative root system morphologies of seeded-in-place, bare-root, and container-cultured plug Sitka spruce seedlings after outplanting
W.C. CARLSON, C.L. PREISIG, and L.C. PROMNITZ 250
- Carlson, W.C.**
Changes in mitotic index during onset of dormancy in Douglas-fir seedlings
W.C. CARLSON, W.D. BINDER, C.O. FEENAN, and C.L. PREISIG 371
- Carter, J.K.**
Electrical resistance measurements to detect Dutch elm disease prior to symptom expression
ROBERT O. BLANCHARD and JONATHAN K. CARTER 111
- Ceulemans, R.**
Leaf gas exchange processes and related characteristics of seven poplar clones under laboratory conditions
R. CEULEMANS and I. IMPENS 429
- Chavez, T.D., Jr.**
Young-growth western hemlock stand infection by *Heterobasidion annosum* 11 years after precommercial thinning
T.D. CHAVEZ, JR., R.L. EDMONDS, and C.H. DRIVER 389
- Chong, L.**
Ethanol and α -pinene as synergists for the aggregation pheromones of two *Gnathotrichus* species
J.H. BORDEN, B.S. LINDGREN, and L. CHONG 290
- Chung, H.-H.**
Photosynthate allocation in *Pinus taeda*. II. Seasonal aspects of photosynthate allocation to different biochemical fractions in shoots
HSU-HO CHUNG and ROBERT L. BARNES 338
- Chung, H.-H.**
Photosynthate allocation in *Pinus taeda*. III. Photosynthate economy: its production, consumption and balance in shoots during the growing season
HSU-HO CHUNG and ROBERT L. BARNES 348
- Cole, D.M.**
Estimating phloem thickness in lodgepole pine stands using electrical resistance measurements
D.M. COLE and C.E. JENSEN 102
- Cole, D.M.**
Erratum: Estimating phloem thickness in lodgepole pine stands using electrical resistance
D.M. COLE and C.E. JENSEN 237
- Cottell, P.L.**
Photographs improve statistical efficiency of truckload scaling
J.P. DEMAERSCHALK, P.L. COTTELL, and M. ZOBEIRY 269
- Cromack, K., Jr.**
A regional approach to litter dynamics in Southern Appalachian forests
D.M. SHARPE, K. CROMACK, JR., W.C. JOHNSON, and B.S. AUSMUS 395
- Crow, T.R.**
Alternative models for estimating woody plant biomass
T.R. CROW and P.R. LAIDLAY 367
- Cunia, T.**
Use of dummy variables to harmonize tree biomass tables
M.W. JACOBS and T. CUNIA 483
- Davis, W.**
Potential hazard rating system for fir stands infested with budworm using cambial electrical resistance
WESTON DAVIS, WALTER SHORTLE, and ALEX SHIGO 541
- DeBell, D.S.**
Variation in specific gravity of red alder (*Alnus rubra* Bong.)
CONSTANCE A. HARRINGTON and DEAN S. DEBELL 293
- Demaerschalk, J.P.**
Photographs improve statistical efficiency of truckload scaling
J.P. DEMAERSCHALK, P.L. COTTELL, and M. ZOBEIRY 269
- Déry, G.**
Effets de la scarification du site sur le micro-environnement
ANDRÉ P. PLAMONDON, DENIS C. OUELLET et GASTON DÉRY 476
- Dixon, R.K.**
Water deficits and root growth of ectomycorrhizal white oak seedlings
R.K. DIXON, G.M. WRIGHT, G.T. BEHRNS, R.O. TESKEY, and T.M. HINCKLEY 545

- Dosskey, M.G.**
Resistance to water uptake by Douglas-fir seedlings in soils of different texture
M.G. DOSSKEY and T.M. BALLARD 530
- Driver, C.H.**
Young-growth western hemlock stand infection by *Heterobasidion annosum* 11 years after precommercial thinning
T.D. CHAVEZ, JR., R.L. EDMONDS, and C.H. DRIVER 389
- Eckert, R.T.**
Photosynthesis and needle elongation response of *Pinus strobus* clones to low level sulfur dioxide exposures
ROBERT T. ECKERT and DANIEL B. HOUSTON 357
- Edmonds, R.L.**
Litter decomposition and nutrient release in Douglas-fir, red alder, western hemlock, and Pacific silver fir ecosystems in western Washington
ROBERT L. EDMONDS 327
- Edmonds, R.L.**
Young-growth western hemlock stand infection by *Heterobasidion annosum* 11 years after precommercial thinning
T.D. CHAVEZ, JR., R.L. EDMONDS, and C.H. DRIVER 389
- Edmonds, R.L.**
Seasonal changes in mycorrhizal and fibrous-textured root biomass in 23- and 180-year-old Pacific silver fir stands in western Washington
KRISTINA A. VOGT, ROBERT L. EDMONDS, CHARLES C. GRIER, and STEPHEN R. PIPER 523
- Edwards, N.T.**
Seasonal changes in energy allocation by white oak (*Quercus alba*)
S.B. McLAUGHLIN, R.K. McCONATHY, R.L. BARNES, and N.T. EDWARDS 379
- Ek, A.R.**
Comparison of sample rules for estimating jack pine density, basal area, and percentage with sweetfern rust cankers
HENRY L. GROSS, ALAN R. EK, and ROBERT F. PATTON 190
- Ek, A.R.**
Spatial aspects of sweetfern rust disease in northern Ontario jack pine - sweetfern stands
HENRY L. GROSS, ROBERT F. PATTON, and ALAN R. EK 199
- El-Kassaby, Y.A.**
Enzyme variation in natural populations of Sitka spruce (*Picea sitchensis*). 1. Genetic variation patterns among trees from 10 IUFRO provenances
FRANCIS C. YEH and YOUSRY A. EL-KASSABY 415
- Farmer, R.E. Jr.**
Comparative analysis of 1st-year growth in six deciduous tree species
R.E. FARMER, JR. 35
- Feenan, C.O.**
Changes in mitotic index during onset of dormancy in Douglas-fir seedlings
W.C. CARLSON, W.D. BINDER, C.O. FEENAN, and C.L. PREISIG 371
- Forrest, G.I.**
Seasonal and spatial variation in cortical monoterpene composition of Sitka spruce oleoresin
G.I. FORREST 452
- Forrest, G.I.**
Geographic variation in the monoterpene composition of Sitka spruce cortical oleoresin
G.I. FORREST 458
- France, R.C.**
Morphological variation of tracheids in the bolewood of mature *Picea engelmannii* and *Pinus contorta*
RAYMOND C. FRANCE and JOHN G. MEXAL 573
- Gagnon, J.D.**
Essai d'un dosage d'azote dans trois sapinières de 60 ans au Québec: résultats de 10 ans
M.R. ROBERGE, J.D. GAGNON et C.H. UNG 470
- Genco, J.M.**
Kraft pulp yields and wood properties of fertilized red spruce
ROBERT K. SHEPARD, JR., JAMES E. SHOTTAFFER, and JOSEPH M. GENCO 183
- Girouard, R.M.**
Cicatrisation et formation de racines adventives sur des boutures de tiges d'épinette de Norvège (*Picea abies* (L.) Karst.)
RONALD M. GIROUARD 586
- Good, H.M.**
The use of genetic strains in studying the activity and interactions of a fungus inoculated in the stems of living sugar maple
J.T. BASHAM and H.M. GOOD 209
- Gotlieb, A.R.**
An enzyme-linked immunosorbent assay for the detection of apple mosaic virus in yellow birch
T. HARDCASTLE and A.R. GOTLIEB 278
- Gregory, R.A.**
Relationship of sap sugar concentrations in sugar maple to ray tissue and parenchyma flecks caused by *Phytobia setosa*
WILLIAM E. WALLNER and ROBERT A. GREGORY 312
- Gregory, R.A.**
Annual cycle of shoot development in sugar maple
ROBERT A. GREGORY 316
- Grier, C.C.**
Seasonal changes in mycorrhizal and fibrous-textured root biomass in 23- and 180-year-old Pacific silver fir stands in western Washington
KRISTINA A. VOGT, ROBERT L. EDMONDS, CHARLES C. GRIER, and STEPHEN R. PIPER 523

- Gross, H.L.**
Comparison of sample rules for estimating jack pine density, basal area, and percentage with sweetfern rust cankers
HENRY L. GROSS, ALAN R. EK, and
ROBERT F. PATTON 190
- Gross, H.L.**
Spatial aspects of sweetfern rust disease in northern Ontario jack pine - sweetfern stands
HENRY L. GROSS, ROBERT F. PATTON, and
ALAN R. EK 199
- Hansen, D.C.**
Effects of four fungicides on survival and growth of containerized Douglas-fir seedlings: greenhouse performance
WALTER G. THIES, PEYTON W. OWSTON, and
DIAN C. HANSEN 423
- Hansen, E.A.**
Rooting greenwood tip cuttings of several *Populus* clones hydroponically (hydroponic rooting of *Populus* cuttings)
HOWARD M. PHIPPS, EDWARD A. HANSEN, and
DAVID N. TOLSTED 107
- Hardcastle, T.**
An enzyme-linked immunosorbent assay for the detection of apple mosaic virus in yellow birch
T. HARDCASTLE and A.R. GOTLIEB 278
- Harner, E.J.**
Predicting root age of advance growth beneath hardwood canopies
EARL H. TRYON, DOUGLAS S. POWELL, and
E. JAMES HARNER 264
- Harrington, C.A.**
Variation in specific gravity of red alder (*Alnus rubra* Bong.)
CONSTANCE A. HARRINGTON and DEAN S. DeBELL 293
- Harvey, A.E.**
Clearcut harvesting and ectomycorrhizae: survival of activity on residual roots and influence on a bordering forest stand in western Montana
A.E. HARVEY, M.F. JURGENSEN, and M.J. LARSEN 300
- Harvey, A.E.**
Partial cut harvesting and ectomycorrhizae: early effects in Douglas-fir-larch forests of western Montana
A.E. HARVEY, M.J. LARSEN, and M.F. JURGENSEN 436
- Heaman, J.C.**
Promotion of cone and seed production in grafted and seedling Douglas-fir seed orchards by application of gibberellin A_{4/7} mixture
STEPHEN D. ROSS, RICHARD P. PHARIS, and
J.C. HEAMAN 464
- Hellum, A.K.**
Cone moisture content influences seed release in lodgepole pine
A.K. HELLUM and N.A. BARKER 239
- Hinckley, T.M.**
Water deficits and root growth of ectomycorrhizal white oak seedlings
R.K. DIXON, G.M. WRIGHT, G.T. BEHRNS, R.O. TESKEY, and
T.M. HINCKLEY 545
- Houston, D.B.**
Photosynthesis and needle elongation response of *Pinus strobus* clones to low level sulfur dioxide exposures
ROBERT T. ECKERT and DANIEL B. HOUSTON 357
- Hunt, K.**
Volume, dry weight, and kraft pulping of fertilized balsam fir from Nova Scotia
K. HUNT, V.R. TIMMER, and W.G. WARREN 362
- Impens, I.**
Leaf gas exchange processes and related characteristics of seven poplar clones under laboratory conditions
R. CEULEMANS and I. IMPENS 429
- Jacobs, M.W.**
Use of dummy variables to harmonize tree biomass tables
M.W. JACOBS and T. CUNIA 483
- Jarvis, P.G.**
Comparison of an isotopic method and the Penman-Monteith equation for estimating transpiration from scots pine
R.H. WARING, D. WHITEHEAD, and P.G. JARVIS 555
- Jensen, C.E.**
Estimating phloem thickness in lodgepole pine stands using electrical resistance measurements
D.M. COLE and C.E. JENSEN 102
- Jensen, C.E.**
Erratum: Estimating phloem thickness in lodgepole pine stands using electrical resistance
D.M. COLE and C.E. JENSEN 237
- Johnson, W.C.**
A regional approach to litter dynamics in Southern Appalachian forests
D.M. SHARPE, K. CROMACK, JR., W.C. JOHNSON, and
B.S. AUSMUS 395
- Jokela, E.J.**
Variation in red pine (*Pinus resinosa*) foliar nutrient concentrations as influenced by sampling procedure
EDWIN H. WHITE and ERIC J. JOKELA 233
- Jurgensen, M.F.**
Clearcut harvesting and ectomycorrhizae: survival of activity on residual roots and influence on a bordering forest stand in western Montana
A.E. HARVEY, M.F. JURGENSEN, and M.J. LARSEN 300
- Jurgensen, M.F.**
Partial cut harvesting and ectomycorrhizae: early effects in Douglas-fir-larch forests of western Montana
A.E. HARVEY, M.J. LARSEN, and M.F. JURGENSEN 436
- Kandiko, R.A.**
Pressure-volume curves of shoots and roots of normal and drought conditioned western hemlock seedlings
R.A. KANDIKO, R. TIMMIS, and J. WORRALL 10
- Karnosky, D.F.**
Protoplast isolation from *Ulmus americana* L. pollen mother cells, tetrads, and microspores
M.K. REDENBAUGH, R.D. WESTFALL, and
D.F. KARNSKY 284

- Keller, T.**
The effect of a continuous springtime fumigation with SO₂ on CO₂ uptake and structure of the annual ring in spruce
T. KELLER 1
- Kelliher, F.M.**
Stomatal resistance, transpiration, and growth of drought-stressed eastern cottonwood
F.M. KELLIHER, M.B. KIRKHAM, and C.G. TAUER 447
- Kirkham, M.B.**
Stomatal resistance, transpiration, and growth of drought-stressed eastern cottonwood
F.M. KELLIHER, M.B. KIRKHAM, and C.G. TAUER 447
- Klock, G.O.**
Effect of defoliation on transpiration in grand fir
W. LOPUSHINSKY and G.O. KLOCK 114
- Koerper, G.J.**
Biomass and net annual primary production regressions for *Populus grandidentata* on three sites in northern lower Michigan
GREG J. KOERPER and CURTIS J. RICHARDSON 92
- Kozak, A.**
The potential of Weibull-type functions as flexible grow curves: reply
A. KOZAK and J.H.G. SMITH 119
- Kozlowski, T.T.**
Effect of SO₂ on transpiration, chlorophyll content, growth, and injury in young seedlings of woody angiosperms
W. SUWANNAPINUNT and T.T. KOZLOWSKI 78
- Kozlowski, T.T.**
Responses of *Pinus halepensis* seedlings to flooding
A.R. SENA GOMES and T.T. KOZLOWSKI 308
- Laidly, P.R.**
Alternative models for estimating woody plant biomass
T.R. CROW and P.R. LAIDLAY 367
- Larsen, M.J.**
Clearcut harvesting and ectomycorrhizae: survival of activity on residual roots and influence on a bordering forest stand in western Montana
A.E. HARVEY, M.F. JURGENSEN, and M.J. LARSEN 300
- Larsen, M.J.**
Partial cut harvesting and ectomycorrhizae: early effects in Douglas-fir-larch forests of western Montana
A.E. HARVEY, M.J. LARSEN, and M.F. JURGENSEN 436
- Larson, M.M.**
Effects of atmospheric humidity and zonal soil water stress on initial growth of planted northern red oak seedlings
M.M. LARSON 549
- Lindgren, B.S.**
Ethanol and α -pinene as synergists for the aggregation pheromones of two *Gnathotrichus* species
J.H. BORDEN, B.S. LINDGREN, and L. CHONG 290
- Lopushinsky, W.**
Effect of defoliation on transpiration in grand fir
W. LOPUSHINSKY and G.O. KLOCK 114
- Mahendrapa, M.K.**
Relationships between different estimates of mineralizable N in the organic materials under black spruce stands
M.K. MAHENDRAPPA 517
- Manion, P.D.**
Interacting environmental factors associated with the incidence of hypoxylon canker on trembling aspen
ROBERT I. BRUCK and PAUL D. MANION 17
- Marshall, P.L.**
Optimal sampling size in multivariate forest inventories: a programming procedure for solving a multivariate sampling problem
P.L. MARSHALL and J.C. NAUTIYAL 579
- Martell, D.L.**
The optimal rotation of a flammable forest stand
D.L. MARTELL 30
- Martin, R.E.**
Duff weight and depth in a high elevation *Pinus contorta* Dougl. forest
P.M. WOODARD and R.E. MARTIN 7
- Martin, R.E.**
Erratum: Duff weight and depth in a high elevation *Pinus contorta* Dougl. forest
P.M. WOODARD and R.E. MARTIN 238
- Marx, D.H.**
Fungicide drenches affect ectomycorrhizal development of container-grown *Pinus palustris* seedlings
WILLIAM H. PAWUK, JOHN L. RUEHLE, and DONALD H. MARX 61
- McConathy, R.K.**
Seasonal changes in energy allocation by white oak (*Quercus alba*)
S.B. McLAUGHLIN, R.K. McCONATHY, R.L. BARNES, and N.T. EDWARDS 379
- McCormick, L.H.**
Differential response of paper birch provenances to aluminum in solution culture
K.C. STEINER, L.H. McCORMICK, and D.S. CANAVERA 25
- McLaughlin, S.B.**
Seasonal changes in energy allocation by white oak (*Quercus alba*)
S.B. McLAUGHLIN, R.K. McCONATHY, R.L. BARNES, and N.T. EDWARDS 379
- McMullan, E.E.**
Effect of applied growth regulators on cone production in Douglas-fir, and relation of endogenous growth regulators to cone production capacity
E.E. McMULLAN 405

- Meng, C.H.**
Black spruce: 15-year growth and microbiological responses to thinning and fertilization
G.F. WEETMAN, M.R. ROBERGE, and C.H. MENG 502
- Mexal, J.G.**
Morphological variation of tracheids in the bolewood of mature *Picea engelmannii* and *Pinus contorta*
RAYMOND C. FRANCE and JOHN G. MEXAL 573
- Mitchell, A.K.**
Effects of thinning and nitrogen fertilization on xylem development in Douglas-fir
H. BRIX and A.K. MITCHELL 121
- Molder, M.**
The pollination mechanism in yellow cypress (*Chamaecyparis nootkatensis*)
JOHN N. OWENS, SHEILA J. SIMPSON, and MARJE MOLDER 564
- Nautiyal, J.C.**
An anatomy of stumpage value
J.C. NAUTYAL 135
- Nautiyal, J.C.**
Optimal sampling size in multivariate forest inventories: a programming procedure for solving a multivariate sampling problem
P.L. MARSHALL and J.C. NAUTYAL 579
- Nokoe, S.**
Nonlinear models fitted to stand volume-age data compare favourably with British Columbia Forest Service hand-drawn volume-age curves
SAGARY NOKOE 304
- Ouellet, D.C.**
Effets de la scarification du site sur le micro-environnement
ANDRÉ P. PLAMONDON, DENIS C. OUELLET et GASTON DÉRY 476
- Owens, J.N.**
The pollination mechanism in yellow cypress (*Chamaecyparis nootkatensis*)
JOHN N. OWENS, SHEILA J. SIMPSON, and MARJE MOLDER 564
- Owston, P.W.**
Effects of four fungicides on survival and growth of containerized Douglas-fir seedlings: greenhouse performance
WALTER G. THIES, PEYTON W. OWSTON, and DIAN C. HANSEN 423
- Patton, R.F.**
Comparison of sample rules for estimating jack pine density, basal area, and percentage with sweetfern rust cankers
HENRY L. GROSS, ALAN R. EK, and ROBERT F. PATTON 190
- Patton, R.F.**
Spatial aspects of sweetfern rust disease in northern Ontario jack pine - sweetfern stands
HENRY L. GROSS, ROBERT F. PATTON, and ALAN R. EK 199
- Pawuk, W.H.**
Fungicide drenches affect ectomycorrhizal development of container-grown *Pinus palustris* seedlings
WILLIAM H. PAWUK, JOHN L. RUEHLE, and DONALD H. MARX 61
- Pharis, R.P.**
Promotion of cone and seed production in grafted and seedling Douglas-fir seed orchards by application of gibberellin A_{4/7} mixture
STEPHEN D. ROSS, RICHARD P. PHARIS, and J.C. HEAMAN 464
- Phipps, H.M.**
Rooting greenwood tip cuttings of several *Populus* clones hydroponically (hydroponic rooting of *Populus* cuttings)
HOWARD M. PHIPPS, EDWARD A. HANSEN, and DAVID N. TOLSTED 107
- Piper, S.R.**
Seasonal changes in mycorrhizal and fibrous-textured root biomass in 23- and 180-year-old Pacific silver fir stands in western Washington
KRISTINA A. VOGT, ROBERT L. EDMONDS, CHARLES C. GRIER, and STEPHEN R. PIPER 523
- Plamondon, A.P.**
Modélisation de la coulée de l'érable à sucre (*Acer saccharum* Marsh.) à partir d'éléments météorologiques
ANDRÉ P. PLAMONDON et PIERRE Y. BERNIER 152
- Plamondon, A.P.**
Effets de la scarification du site sur le micro-environnement
ANDRÉ P. PLAMONDON, DENIS C. OUELLET et GASTON DÉRY 476
- Potvin, F.**
Short-term impact of a spruce budworm outbreak on a deer wintering area
FRANÇOIS POTVIN 559
- Powell, D.S.**
Predicting root age of advance growth beneath hardwood canopies
EARL H. TRYON, DOUGLAS S. POWELL, and E. JAMES HARNER 264
- Pregitzer, K.S.**
Flowering phenology of *Populus tremuloides* and *P. grandidentata* and the potential for hybridization
KURT S. PREGITZER and BURTON V. BARNES 218
- Preisig, C.L.**
Comparative root system morphologies of seeded-in-place, bare-root, and container-cultured plug Sitka spruce seedlings after outplanting
W.C. CARLSON, C.L. PREISIG, and L.C. PROMNITZ 250
- Preisig, C.L.**
Changes in mitotic index during onset of dormancy in Douglas-fir seedlings
W.C. CARLSON, W.D. BINDER, C.O. FEENAN, and C.L. PREISIG 371

- Promnitz, L.C.**
Comparative root system morphologies of seeded-in-place, bare-root, and container-cultured plug Sitka spruce seedlings after outplanting
W.C. CARLSON, C.L. PREISIG, and L.C. PROMNITZ 250
- Purdy, J.R.**
Distribution of methyl benzimidazol-2-yl carbamate phosphate in elm: effects of chemical properties and formulation variables
D.N. ROY, J.R. PURDY, and P. AYYAMPERUMAL 143
- Ralston, C.W.**
The role of temperate zone forests in the global carbon cycle
THOMAS V. ARMENTANO and C.W. RALSTON 53
- Redenbaugh, M.K.**
Protoplast isolation from *Ulmus americana* L. pollen mother cells, tetrads, and microspores
M.K. REDENBAUGH, R.D. WESTFALL, and D.F. KARNOISKY 284
- Rencz, A.N.**
Dimension analysis of various components of black spruce in subarctic lichen woodland
ANDREW N. RENCZ and ALLAN N. AUCLAIR 491
- Richardson, C.J.**
Biomass and net annual primary production regressions for *Populus grandidentata* on three sites in northern lower Michigan
GREG J. KOERPER and CURTIS J. RICHARDSON 92
- Roberge, M.R.**
Essai d'un dosage d'azote dans trois sapinières de 60 ans au Québec: résultats de 10 ans
M.R. ROBERGE, J.D. GAGNON et C.H. UNG 470
- Roberge, M.R.**
Black spruce: 15-year growth and microbiological responses to thinning and fertilization
G.F. WEETMAN, M.R. ROBERGE, and C.H. MENG 502
- Ross, S.D.**
Promotion of cone and seed production in grafted and seedling Douglas-fir seed orchards by application of gibberellin A_{4/7} mixture
STEPHEN D. ROSS, RICHARD P. PHARIS, and J.C. HEAMAN 464
- Roy, D.N.**
Distribution of methyl benzimidazol-2-yl carbamate phosphate in elm: effects of chemical properties and formulation variables
D.N. ROY, J.R. PURDY, and P. AYYAMPERUMAL 143
- Ruehle, J.L.**
Fungicide drenches affect ectomycorrhizal development of container-grown *Pinus paucistris* seedlings
WILLIAM H. PAWUK, JOHN L. RUEHLE, and DONALD H. MARX 61
- Running, S.W.**
Environmental and physiological control of water flux through *Pinus contorta*
STEVEN W. RUNNING 82
- Sastry, C.B.R.**
Clonal variation in gross heat of combustion of juvenile *Populus* hybrids
C.B.R. SASTRY and H.W. ANDERSON 245
- Schipper, A.L., Jr.**
Epidemiology of *Melampsora medusae* leaf rust of poplars in the north central United States
K.D. WIDIN and A.L. SCHIPPER, JR. 257
- Sena Gomes, A.R.**
Responses of *Pinus halepensis* seedlings to flooding
A.R. SENA GOMES and T.T. KOZLOWSKI 308
- Sharpe, D.M.**
A regional approach to litter dynamics in Southern Appalachian forests
D.M. SHARPE, K. CROMACK, JR., W.C. JOHNSON, and B.S. AUSMUS 395
- Shepard, R.K., Jr.**
Kraft pulp yields and wood properties of fertilized red spruce
ROBERT K. SHEPARD, JR., JAMES E. SHOTTAFAER, and JOSEPH M. GENCO 183
- Shigo, A.**
Potential hazard rating system for fir stands infested with budworm using cambial electrical resistance
WESTON DAVIS, WALTER SHORTLE, and ALEX SHIGO 541
- Shigo, A.L.**
Barrier zone anatomy in red pine roots invaded by *Heterobasidion annosum*
JOANNA T. TIPPETT and ALEX L. SHIGO 224
- Shortle, W.**
Potential hazard rating system for fir stands infested with budworm using cambial electrical resistance
WESTON DAVIS, WALTER SHORTLE, and ALEX SHIGO 541
- Shottafer, J.E.**
Kraft pulp yields and wood properties of fertilized red spruce
ROBERT K. SHEPARD, JR., JAMES E. SHOTTAFAER, and JOSEPH M. GENCO 183
- Simpson, S.J.**
The pollination mechanism in yellow cypress (*Chamaecyparis nootkatensis*)
JOHN N. OWENS, SHEILA J. SIMPSON, and MARJE MOLDER 564
- Smith, J.H.G.**
The potential of Weibull-type functions as flexible grow curves: reply
A. KOZAK and J.H.G. SMITH 119
- Smith, J.H.G.**
Influences of spacing on radial growth and percentage latewood of Douglas-fir, western hemlock, and western redcedar
J. HARRY G. SMITH 169
- Smith, R.B.**
A model of spread and intensification of dwarf mistletoe infection in young western hemlock stands
W.J. BLOOMBERG, R.B. SMITH, and A. VAN DER WERELD 42

- Smith, V.G.**
Erratum: Estimating the solid-wood content of stacked logs with minimum total cost
VICTOR G. SMITH 110
- South, D.B.**
A new method for screening herbicides for use in pine nurseries
DAVID B. SOUTH and SHI-JEAN SUSANA SUNG 164
- Steiner, K.C.**
Differential response of paper birch provenances to aluminum in solution culture
K.C. STEINER, L.H. MCCORMICK, and D.S. CANAVERA 25
- Stocks, B.J.**
Black spruce crown fuel weights in northern Ontario
B.J. STOCKS 498
- Stone, D.M.**
Fertilization of a pole-sized maple stand: 10-year results
DOUGLAS M. STONE 158
- Sung, S.-J.S.**
A new method for screening herbicides for use in pine nurseries
DAVID B. SOUTH and SHI-JEAN SUSANA SUNG 164
- Suwannapinunt, W.**
Effect of SO₂ on transpiration, chlorophyll content, growth, and injury in young seedlings of woody angiosperms
W. SUWANNAPINUNT and T.T. KOZLOWSKI 78
- Tauer, C.G.**
Stomatal resistance, transpiration, and growth of drought-stressed eastern cottonwood
F.M. KELLIHER, M.B. KIRKHAM, and C.G. TAUER 447
- Teskey, R.O.**
Water deficits and root growth of ectomycorrhizal white oak seedlings
R.K. DIXON, G.M. WRIGHT, G.T. BEHRNS, R.O. TESKEY, and T.M. HINCKLEY 545
- Thies, W.G.**
Effects of four fungicides on survival and growth of containerized Douglas-fir seedlings: greenhouse performance
WALTER G. THIES, PEYTON W. OWSTON, and DIAN C. HANSEN 423
- Thompson, S.**
The growth of lodgepole pine seedlings raised under clear polythene cloches at five seedbed densities
S. THOMPSON 426
- Thomson, A.J.**
Estimation of tree growth losses caused by pest activity
A.J. THOMSON and G.A. VAN SICKLE 176
- Timmer, V.R.**
Volume, dry weight, and kraft pulping of fertilized balsam fir from Nova Scotia
K. HUNT, V.R. TIMMER, and W.G. WARREN 362
- Timmis, R.**
Pressure-volume curves of shoots and roots of normal and drought conditioned western hemlock seedlings
R.A. KANDIKO, R. TIMMIS, and J. WORRALL 10
- Tippett, J.T.**
Barrier zone anatomy in red pine roots invaded by *Heterobasidion annosum*
JOANNA T. TIPPETT and ALEX L. SHIGO 224
- Tolsted, D.N.**
Rooting greenwood tip cuttings of several *Populus* clones hydroponically (hydroponic rooting of *Populus* cuttings)
HOWARD M. PHIPPS, EDWARD A. HANSEN, and DAVID N. TOLSTED 107
- Tryon, E.H.**
Predicting root age of advance growth beneath hardwood canopies
EARL H. TRYON, DOUGLAS S. POWELL, and E. JAMES HARNER 264
- Ung, C.H.**
Essai d'un dosage d'azote dans trois sapinières de 60 ans au Québec: résultats de 10 ans
M.R. ROBERGE, J.D. GAGNON et C.H. UNG 470
- van den Driessche, R.**
Effects of nitrogen and phosphorus fertilization on Douglas-fir nursery growth and survival outplanting
R. VAN DEN DRIESCHCE 65
- Van Der Wereld, A.**
A model of spread and intensification of dwarf mistletoe infection in young western hemlock stands
W.J. BLOOMBERG, R.B. SMITH, and A. VAN DER WERELD 42
- Van Sickle, G.A.**
Estimation of tree growth losses caused by pest activity
A.J. THOMSON and G.A. VAN SICKLE 176
- Vogt, K.A.**
Seasonal changes in mycorrhizal and fibrous-textured root biomass in 23- and 180-year-old Pacific silver fir stands in western Washington
KRISTINA A. VOGT, ROBERT L. EDMONDS, CHARLES C. GRIER, and STEPHEN R. PIPER 523
- Wallner, W.E.**
Relationship of sap sugar concentrations in sugar maple to ray tissue and parenchyma flecks caused by *Phytobia setosa*
WILLIAM E. WALLNER and ROBERT A. GREGORY 312
- Wambold, E.C.**
The effect of growth retardants and inhibitors on container-grown *Pinus contorta* and *Picea glauca*
G.D. WESTON, L.W. CARLSON, and E.C. WAMBOLD 510
- Waring, R.H.**
Comparison of an isotopic method and the Penman-Monteith equation for estimating transpiration from scots pine
R.H. WARING, D. WHITEHEAD, and P.G. JARVIS 555

- Warren, W.G.**
Volume, dry weight, and kraft pulping of fertilized balsam fir from Nova Scotia
K. HUNT, V.R. TIMMER, and W.G. WARREN 362
- Webb, W.L.**
Starch content of conifers defoliated by the Douglas-fir tussock moth
WARREN L. WEBB 535
- Weetman, G.F.**
Black spruce: 15-year growth and microbiological responses to thinning and fertilization
G.F. WEETMAN, M.R. ROBERGE, and C.H. MENG 502
- West, P.W.**
Use of diameter increment and basal area increment in tree growth studies
P.W. WEST 71
- Westfall, R.D.**
Protoplast isolation from *Ulmus americana* L. pollen mother cells, tetrads, and microspores
M.K. REDENBAUGH, R.D. WESTFALL, and D.F. KARNOSKY 284
- Weston, G.D.**
The effect of growth retardants and inhibitors on container-grown *Pinus contorta* and *Picea glauca*
G.D. WESTON, L.W. CARLSON, and E.C. WAMBOLD 510
- White, E.H.**
Variation in red pine (*Pinus resinosa*) foliar nutrient concentrations as influenced by sampling procedure
EDWIN H. WHITE and ERIC J. JOKELA 233
- Whitehead, D.**
Comparison of an isotopic method and the Penman-Monteith equation for estimating transpiration from scots pine
R.H. WARING, D. WHITEHEAD, and P.G. JARVIS 555
- Widin, K.D.**
Epidemiology of *Melampsora medusae* leaf rust of poplars in the north central United States
K.D. WIDIN and A.L. SCHIPPER, JR. 257
- Woodard, P.M.**
Duff weight and depth in a high elevation *Pinus contorta* Dougl. forest
P.M. WOODARD and R.E. MARTIN 7
- Woodard, P.M.**
Erratum: Duff weight and depth in a high elevation *Pinus contorta* Dougl. forest
P.M. WOODARD and R.E. MARTIN 238
- Worrall, J.**
Pressure-volume curves of shoots and roots of normal and drought conditioned western hemlock seedlings
R.A. KANDIKO, R. TIMMIS, and J. WORRALL 10
- Wright, G.M.**
Water deficits and root growth of ectomycorrhizal white oak seedlings
R.K. DIXON, G.M. WRIGHT, G.T. BEHRNS, R.O. TESKEY, and T.M. HINCKLEY 545
- Yeh, F.C.**
Enzyme variation in natural populations of Sitka spruce (*Picea sitchensis*). 1. Genetic variation patterns among trees from 10 IUFRO provenances
FRANCIS C. YEH and YOUSRY A. EL-KASSABY 415
- Zobeiry, M.**
Photographs improve statistical efficiency of truckload scaling
J.P. DEMAERSCHALK, P.L. COTTELL, and M. ZOBEIRY 269
- Zobel, D.B.**
Effect of forest floor disturbance on seedling establishment of *Chamaecyparis lawsoniana*
DONALD B. ZOBEL 441



Subject Index / Index des matières

This is a rotated term index. The terms are arranged linearly, primary terms first, followed by secondary terms after the semicolon. Each primary term is used once to head an entry. Secondary terms are informative but not sufficiently specific to head entries. In an entry, a few terms by themselves may be ambiguous, but a reading of all the terms should convey the content of the paper. The index terms are followed by the volume number, inclusive page numbers, and authors' names, in that order.

Il s'agit d'un index de termes permutés, présentés de façon linéaire: les termes principaux sont suivis, après le point-virgule, des termes secondaires. Chaque terme principal figure une fois au début d'une notice. Les termes secondaires sont utiles, mais trop peu précis pour servir de termes principaux. Il peut arriver que quelques termes d'une notice, pris isolément, soient obscurs, mais l'ensemble des termes doit préciser le contenu de l'article. Les termes de l'index sont suivis du numéro du volume, de la pagination complète et du nom de l'auteur ou des auteurs, dans cet ordre.

- Abies amabilis*, mycorrhiza, root biomass; Washington, U.S.A. seasonal changes. **10**, 523-529 (Vogt et al.)
- Abies balsamea*, electrical resistance, spruce budworm; New Hampshire, U.S.A., growth reduction, mortality. **10**, 541-544 (Davis et al.)
- _____, kraft pulping, fertilization; Nova Scotia. **10**, 362-366 (Hunt et al.)
- _____, urea, merchantable volume, humus fertility; Quebec. **10**, 470-475 (Roberge et al.)
- Abies concolor*, *Pseudotsuga menziesii*, food reserves, tussock moth; British Columbia, New Mexico, U.S.A. **10**, 535-540 (Webb)
- Abies grandis*, defoliation, transpiration; Washington, U.S.A. **10**, 114-116 (Lopushinsky and Klock)
- abscisic acid, cone enhancement, *Pseudotsuga menziesii*, gibberellins, auxins; method of application of hormones to trees. **10**, 405-414 (McMullan)
- Acer rubrum*, *Acer saccharum*, fertilization; stand in Wisconsin, U.S.A. **10**, 158-163 (Stone)
- Acer saccharum*, *Acer rubrum*, fertilization; stand in Wisconsin, U.S.A. **10**, 158-163 (Stone)
- _____, fungus activity; genetic strains, inoculation. **10**, 209-217 (Basham and Good)
- _____, phenology, shoot development; Vermont, U.S.A. **10**, 316-326 (Gregory)
- _____, pith flecks, *Phytobia*, sugar concentration, ray tissue; Wisconsin, U.S.A. **10**, 312-315 (Wallner and Gregory)
- _____, sap flow; environmental factors. **10**, 152-157 (Plamondon and Bernier)
- advance growth, hardwood reproduction, root age; West Virginia, U.S.A. **10**, 264-268 (Tryon et al.)
- adventitious roots, stem cuttings, scarring, *Picea abies*, rooting; **10**, 586-593 (Girouard)
- Alnus rubra*, wood density; growth rate, age, distance from pith, provenance. **10**, 293-299 (Harrington and DeBell)
- aluminum, *Betula papyrifera*; solution culture, provenances. **10**, 25-29 (Steiner et al.)
- Arceuthobium*, *Tsuga heterophylla*; computer, simulation, spread, intensification. **10**, 42-52 (Bloomberg et al.)
- auxins, cone enhancement, *Pseudotsuga menziesii*, gibberellins, abscisic acid; method of application of hormones to trees. **10**, 405-414 (McMullan)
- bareroot, container, *Picea sitchensis*, root development; after outplanting, Oregon, U.S.A. **10**, 250-256 (Carlson et al.)
- Betula alleghaniensis*, virus; immunosorbent assay, apple mosaic. **10**, 278-283 (Hardcastle and Gotlieb)
- Betula papyrifera*, aluminum; solution culture, provenances. **10**, 25-29 (Steiner et al.)
- _____, *Picea glauca*, fire, seed input; northern mixedwood, secondary succession, Saskatchewan. **10**, 129-134 (Archibold)
- biomass, dimensional analysis, net primary production, *Populus grandidentata*; Michigan, U.S.A. **10**, 92-101 (Koerper and Richardson)
- _____, *Picea mariana*, fuel weights; Ontario, tree crowns. **10**, 498-501 (Stocks)
- _____, *Picea mariana*, lichen woodland; eastern Canadian subarctic. **10**, 491-497 (Rencz and Auclair)
- _____, harmonized regressions, dummy variables. **10**, 483-490 (Jacobs and Cunia)
- _____, mathematical models. **10**, 367-370 (Crow and Laidly)
- budworm, growth, *Pseudotsuga*; computer model. **10**, 176-182 (Thomson and Van Sickle)

- cambial growth**, xylem, *Pseudotsuga menziesii*; environmental effects, wood property, cambium marking. **10**, 121-128 (Brix and Mitchell)
- canker**, *Cronartium comptoniae*, epidemiology, *Pinus banksiana*; spatial distribution, sweetfern blister rust. **10**, 199-208 (Gross et al.)
- _____, *Cronartium comptoniae*, *Pinus banksiana*; sampling efficiency, sweetfern blister rust, density, basal area. **10**, 190-198 (Gross et al.)
- _____, Hypoxylon, *Populus tremuloides*; New York, U.S.A., environmental factors. **10**, 17-24 (Bruck and Manion)
- carbon cycle**; temperate zone forests. **10**, 53-60 (Armentano and Ralston)
- Chamaecyparis lawsoniana*, germination, seedbed; Oregon, U.S.A. **10**, 441-446 (Zobel)
- _____, pollination; British Columbia. **10**, 564-572 (Owens et al.)
- chlorophyll**, pollution, sulphur, transpiration; growth, injury, woody angiosperms. **10**, 78-81 (Suwannapinunt and Kozlowski)
- cloche-grown**, *Pinus contorta*; Scotland, seed-bed density. **10**, 426-428 (Thompson)
- cone**, moisture, seed release, *Pinus contorta*; Alberta. **10**, 239-244 (Hellum and Barker)
- cone enhancement**, *Pseudotsuga menziesii*, gibberellins, auxins, abscisic acid; method of application of hormones to trees. **10**, 405-414 (McMullan)
- cone production**, *Pseudotsuga menziesii*, gibberellin; Oregon, U.S.A., British Columbia. **10**, 464-469 (Ross et al.)
- container**, bareroot, *Picea sitchensis*, root development; after outplanting, Oregon, U.S.A. **10**, 250-256 (Carlson et al.)
- _____, fungicides, *Pseudotsuga menziesii*; **10**, 423-425 (Thies et al.)
- _____, growth retardants, inhibitors, *Pinus contorta*, *Picea glauca*; **10**, 510-516 (Weston et al.)
- Cronartium comptoniae*, canker, epidemiology, *Pinus banksiana*; spatial distribution, sweetfern blister rust. **10**, 199-208 (Gross et al.)
- _____, canker, *Pinus banksiana*; sampling efficiency, sweetfern blister rust, density, basal area. **10**, 190-198 (Gross et al.)
- cuttings**, *Populus*, vegetative propagation; growth regulators, nutrient culture, IBA, NAA. **10**, 107-110 (Phipps et al.)
- decay**, *Pinus resinosa*, fungus, roots; barrier zone anatomy. **10**, 224-232 (Tippett and Shigo)
- decay rates**, litter, organic layer; Southern Appalachians, U.S.A., turnover. **10**, 395-404 (Sharpe et al.)
- decomposition rates**, organic layer, litter, nutrient release; Washington, U.S.A. **10**, 327-337 (Edmonds)
- deer wintering**, spruce budworm; Quebec. **10**, 559-563 (Potvin)
- defoliation**, *Abies grandis*, transpiration; Washington, U.S.A. **10**, 114-116 (Lopushinsky and Klock)
- densitometry**, X ray, growth rings; *Tsuga*, *Pseudotsuga*, *Thuja*, British Columbia. **10**, 169-175 (Smith)
- dew-point**, water potential, hygrometry, *Pseudotsuga menziesii*; British Columbia, soil texture. **10**, 530-534 (Dosskey and Ballard)
- dimensional analysis**, biomass, net primary production, *Populus grandidentata*; Michigan, U.S.A. **10**, 92-101 (Koerper and Richardson)
- dormancy**, *Pseudotsuga menziesii*, mitotic index; seedling development, regeneration. **10**, 371-378 (Carlson et al.)
- duff**, organic layer; Washington, U.S.A., depth, weight, subalpine zone, prediction analog. **10**, 7-9 (Woodard and Martin)
- Dutch elm disease**, electrical resistance; presymptomatic. **10**, 111-114 (Blanchard and Carter)
- _____, *Ulmus americana*; BMCB. **10**, 143-151 (Roy et al.)
- ectomycorrhiza**, fire, harvesting impacts; Montana, U.S.A. **10**, 300-303 (Harvey et al.)
- _____, harvest cut, fire; Montana, U.S.A. **10**, 436-440 (Harvey et al.)
- _____, *Pinus palustris*, fungicide, *Pisolithus tinctorius*, *Thelephora terrestris*; seedling growth, reforestation. **10**, 61-64 (Pawuk et al.)
- _____, water relations, *Quercus alba*, *Pisolithus tinctorius*; Missouri, U.S.A. **10**, 545-548 (Dixon et al.)
- electrical measurements**, *Pinus contorta*, phloem; Montana, U.S.A., predictive model. **10**, 102-106 (Cole and Jensen)
- electrical resistance**, *Abies balsamea*, spruce budworm; New Hampshire, U.S.A., growth reduction, mortality. **10**, 541-544 (Davis et al.)
- _____, Dutch elm disease; presymptomatic. **10**, 111-114 (Blanchard and Carter)
- enzymes**, *Picea sitchensis*, polymorphic loci; natural populations, IUFRO provenances, British Columbia. **10**, 415-422 (Yeh and El-Kassaby)
- epidemiology**, canker, *Cronartium comptoniae*, *Pinus banksiana*; spatial distribution, sweetfern blister rust. **10**, 199-208 (Gross et al.)
- fertilization**, *Acer saccharum*, *Acer rubrum*; stand in Wisconsin, U.S.A. **10**, 158-163 (Stone)
- _____, kraft pulp, *Picea rubens*; wood quality, specific gravity, wood properties, lignin, resin. **10**, 183-189 (Shepard et al.)
- _____, kraft pulping, *Abies balsamea*; Nova Scotia. **10**, 362-366 (Hunt et al.)

- , thinning, *Picea mariana*, foliar analysis, nitrogen; Quebec. **10**, 502–509 (Weetman et al.)
- fertilizer**, *Pseudotsuga*, nitrogen, phosphorus; factorial fertilizer experiment, nursery growth. **10**, 65–70 (van den Driesche)
- fire**, ectomycorrhiza, harvest cut; Montana, U.S.A. **10**, 436–440 (Harvey et al.)
- , ectomycorrhiza, harvesting impacts; Montana, U.S.A. **10**, 300–303 (Harvey et al.)
- , *Picea glauca*, *Betula papyrifera*, seed input; northern mixedwood, secondary succession, Saskatchewan. **10**, 129–134 (Archibold)
- fire management**; rotation, stochastic model. **8**, 30–34 (Martell)
- flooding**, *Pinus halpensis*; seedlings. **10**, 308–311 (Sena Gomes and Kozlowski)
- foliar analysis**, fertilization, thinning, *Picea mariana*, nitrogen; Quebec. **10**, 502–509 (Weetman et al.)
- , *Pinus resinosa*, nutrition; samples by shooting and clipping, Minnesota, U.S.A. **10**, 233–237 (White and Jokela)
- Fomes annuosus**, *Tsuga heterophylla*; infection rate, thinning. **10**, 389–394 (Chavez et al.)
- food reserves**, *Abies concolor*, *Pseudotsuga menziesii*, tussock moth; British Columbia, New Mexico, U.S.A. **10**, 535–540 (Webb)
- , *Quercus alba*; seasonal allocation, Tennessee, U.S.A. **10**, 379–388 (McLaughlin et al.)
- fuel weights**, *Picea mariana*, biomass; Ontario, tree crowns. **10**, 498–501 (Stocks)
- fumigation**, sulphur, xylem, *Picea abies*, pollution; Switzerland. **10**, 1–6 (Keller)
- fungicide**, *Pinus palustris*, ectomycorrhiza, *Pisolithus tinctorius*, *Thelophora terrestris*; seedling growth, reforestation. **10**, 61–64 (Pawuk et al.)
- , container-grown, *Pseudotsuga menziesii*; **10**, 423–425 (Thies et al.)
- fungus**, *Pinus resinosa*, decay, roots; barrier zone anatomy. **10**, 224–232 (Tippett and Shigo)
- fungus activity**, *Acer saccharum*; genetic strains, inoculation. **10**, 209–217 (Basham and Good)
- gas exchange**, *Populus*, water use efficiency; clones, Belgium. **10**, 429–435 (Ceulemans and Impens)
- germination**, seedbed, *Chamaecyparis lawsoniana*; Oregon, U.S.A. **10**, 441–446 (Zobel)
- gibberellin**, *Pseudotsuga menziesii*, cone production; Oregon, U.S.A., British Columbia. **10**, 464–469 (Ross et al.)
- , cone enhancement, *Pseudotsuga menziesii*, auxins, abscisic acid; method of application of hormones to trees. **10**, 405–414 (McMullan)
- Gnathotrichus**, pheromones; ethanol and pinene synergists, trapping. **10**, 290–292 (Borden et al.)
- growth**, budworm, *Pseudotsuga*; computer model. **10**, 176–182 (Thomson and Van Sickle)
- , relative growth rate, leaf area ratio; six deciduous tree seedlings in nursery beds. **10**, 35–41 (Farmer)
- growth curves**, *Pseudotsuga*; British Columbia, nonlinear models. **10**, 304–307 (Nokoe)
- , Weibull-type function; **10**, 117–118 (Bailey)
- , Weibull-type function; **10**, 119 (Kozak and Smith)
- growth of stands**; diameter, basal area. **10**, 71–77 (West)
- growth retardants**, inhibitors, container-grown, *Pinus contorta*, *Picea glauca*; **10**, 510–516 (Weston et al.)
- growth rings**, X ray, densitometry; *Tsuga*, *Pseudotsuga*, *Thuja*, British Columbia. **10**, 169–175 (Smith)
- hardwood reproduction**, advance growth, root age; West Virginia, U.S.A. **10**, 264–268 (Tryon et al.)
- harvest cut**, ectomycorrhiza, fire; Montana, U.S.A. **10**, 436–440 (Harvey et al.)
- harvesting impacts**, ectomycorrhiza, fire; Montana, U.S.A. **10**, 300–303 (Harvey et al.)
- heat of combustion**, *Populus* hybrids; clonal variation. **10**, 245–249 (Sastry and Anderson)
- herbicide**, *Pinus*; bioassay, cotyledon tissue. **10**, 164–168 (South and Sung)
- humus fertility**, urea, merchantable volume, *Abies balsamea*; Quebec. **10**, 470–475 (Roberge et al.)
- hybridization**, *Populus tremuloides*, *Populus grandidentata*, phenology, introgression; gene flow, variation, genecology. **10**, 218–223 (Pregitzer and Barnes)
- hygrometry**, water potential, dew-point, *Pseudotsuga menziesii*; British Columbia, soil texture. **10**, 530–534 (Dosskey and Ballard)
- Hypoxylon**, canker, *Populus tremuloides*; New York, U.S.A., environmental factors. **10**, 17–24 (Bruck and Manion)
- inhibitors**, growth retardants, container-grown, *Pinus contorta*, *Picea glauca*; **10**, 510–516 (Weston et al.)
- introgression**, *Populus tremuloides*, *Populus grandidentata*, phenology, hybridization; gene flow, variation, genecology. **10**, 218–223 (Pregitzer and Barnes)
- kraft pulp**, *Picea rubens*, fertilization; wood quality, specific gravity, wood properties, lignin, resin. **10**, 183–189 (Shepard et al.)
- kraft pulping**, fertilization, *Abies balsamea*; Nova Scotia. **10**, 362–366 (Hunt et al.)
- Larix**, leaf rust, *Populus*, spore trapping; aesciospores, uredospores, phenology, north central U.S.A. **10**, 257–263 (Widen and Schipper)
- leaf area ratio**, relative growth rate, growth; six deciduous tree seedlings in nursery beds. **10**, 35–41 (Farmer)

- leaf conductance**, *Pinus contorta*, water stress, stomatal control, leaf water potential; Colorado, U.S.A. **10**, 82-91 (Running)
- leaf rust**, *Populus*, *Larix*, spore trapping; aesciospores, uredospores, phenology, north central U.S.A. **10**, 257-263 (Widen and Schipper)
- leaf water potential**, *Pinus contorta*, water stress, stomatal control, leaf conductance; Colorado, U.S.A. **10**, 82-91 (Running)
- lichen woodland**, *Picea mariana*, biomass; eastern Canadian subarctic. **10**, 491-497 (Rencz and Auclair)
- litter**, organic layer, decay rates; Southern Appalachians, U.S.A., turnover. **10**, 395-404 (Sharpe et al.)
- , organic layer, decomposition rates, nutrient release; Washington, U.S.A. **10**, 327-337 (Edmonds)
- merchantable volume**, urea, humus fertility, *Abies balsamea*; Quebec. **10**, 470-475 (Roberge et al.)
- mitotic index**, *Pseudotsuga menziesii*, dormancy; seedling development, regeneration. **10**, 371-378 (Carlson et al.)
- moisture**, cone, seed release, *Pinus contorta*; Alberta. **10**, 239-244 (Hellum and Barker)
- monoterpenes**, *Picea sitchensis*, oleoresin; within-tree variation, seasonal variation, Scotland. **10**, 452-457 (Forrest et al.)
- , *Picea sitchensis*, oleoresin; provenance, origin, geographical variation, intra- and inter-population variability, Scotland. **10**, 458-463 (Forrest et al.)
- mycorrhiza**, *Abies amabilis*, root biomass; Washington, U.S.A. seasonal changes. **10**, 523-529 (Vogt et al.)
- net primary production**, biomass, dimensional analysis, *Populus grandidentata*; Michigan, U.S.A. **10**, 92-101 (Koerper and Richardson)
- nitrogen**, fertilization, thinning, *Picea mariana*, foliar analysis; Quebec. **10**, 502-509 (Weetman et al.)
- , organic layer, *Picea mariana*; New Brunswick, methods of N determination. **10**, 517-522 (Mahendrappa)
- , *Pseudotsuga*, phosphorus, fertilizer; factorial fertilizer experiment, nursery growth. **10**, 65-70 (van den Driesche)
- nutrient release**, organic layer, decomposition rates, litter; Washington, U.S.A. **10**, 327-337 (Edmonds)
- nutrition**, *Pinus resinosa*, foliar analysis; samples by shooting and clipping, Minnesota, U.S.A. **10**, 233-237 (White and Jokela)
- oleoresin**, *Picea sitchensis*, monoterpenes; within-tree variation, seasonal variation, Scotland. **10**, 452-457 (Forrest et al.)
- , *Picea sitchensis*, monoterpenes; provenance, origin, geographical variation, intra- and inter-population variability, Scotland. **10**, 458-463 (Forrest et al.)
- organic layer**, decomposition rates, litter, nutrient release; Washington, U.S.A. **10**, 327-337 (Edmonds)
- , duff; Washington, U.S.A., depth, weight, subalpine zone, prediction analog. **10**, 7-9 (Woodard and Martin)
- , litter, decay rates; Southern Appalachians, U.S.A., turnover. **10**, 395-404 (Sharpe et al.)
- , nitrogen, *Picea mariana*; New Brunswick, methods of N determination. **10**, 517-522 (Mahendrappa)
- Penman-Monteith equation**, *Pinus sylvestris*, transpiration, phosphorus-32; Scotland. **10**, 555-558 (Waring et al.)
- , *Acer saccharum*, shoot development; Vermont, U.S.A. **10**, 316-326 (Gregory)
- , *Populus tremuloides*, *Populus grandidentata*, introgression, hybridization; gene flow, variation, geneecology. **10**, 218-223 (Pregitzer and Barnes)
- pheromones**, *Gnathotrichus*; ethanol and pinene synergists, trapping. **10**, 290-292 (Borden et al.)
- phloem**, *Pinus contorta*, electrical measurements; Montana, U.S.A., predictive model. **10**, 102-106 (Cole and Jensen)
- phosphorus**, *Pseudotsuga*, nitrogen, fertilizer; factorial fertilizer experiment, nursery growth. **10**, 65-70 (van den Driesche)
- , *Pinus sylvestris*, transpiration, Penman-Monteith equation; Scotland. **10**, 555-558 (Waring et al.)
- photography**, scaling; truckloads, British Columbia. **10**, 269-277 (Demaerschalk et al.)
- photosynthate allocation**, *Pinus taeda*; seasonal aspects, North Carolina, U.S.A. **10**, 338-347 (Chung and Barnes)
- , *Pinus taeda*; production, consumption, balance, North Carolina, U.S.A. **10**, 348-356 (Chung and Barnes)
- Phytobia**, pith flecks, *Acer saccharum*, sugar concentration, ray tissue; Wisconsin, U.S.A. **10**, 312-315 (Wallner and Gregory)
- Picea abies***, fumigation, sulphur, xylem, pollution; Switzerland. **10**, 1-6 (Keller)
- , stem cuttings, scarring, adventitious roots, rooting; **10**, 586-593 (Girouard),
- Picea engelmannii***, *Pinus contorta*, tracheid morphology; bolewood, height, collapsing force, cell wall thickness, fiber length, lumen diameter, lumen area. **10**, 573-578 (France and Mexal)
- Picea glauca***, *Betula papyrifera*, fire, seed input; northern mixedwood, secondary succession, Saskatchewan. **10**, 129-134 (Archibold)
- , growth retardants, inhibitors, container-grown, *Pinus contorta*; **10**, 510-516 (Weston et al.)
- Picea mariana***, biomass, fuel weights; Ontario, tree crowns. **10**, 498-501 (Stocks)
- , fertilization, thinning, foliar analysis, nitrogen; Quebec. **10**, 502-509 (Weetman et al.)
- , lichen woodland, biomass; eastern Canadian subarctic. **10**, 491-497 (Rencz and Auclair)
- , organic layer, nitrogen; New Brunswick, methods of N determination. **10**, 517-522 (Mahendrappa)

- Picea rubens*, kraft pulp, fertilization; wood quality, specific gravity, wood properties, lignin, resin. **10**, 183-189 (Shepard et al.)
- Picea sitchensis*, container, bareroot, root development; after outplanting, Oregon, U.S.A. **10**, 250-256 (Carlson et al.)
- , enzymes, polymorphic loci; natural populations, IUFRO provenances, British Columbia. **10**, 415-422 (Yeh and El-Kassaby)
- , oleoresin, monoterpenes; within-tree variation, seasonal variation, Scotland. **10**, 452-457 (Forrest et al.)
- , oleoresin, monoterpenes; provenance, origin, geographical variation, intra- and inter-population variability, Scotland. **10**, 458-463 (Forrest et al.)
- Pinus*, herbicide; bioassay, cotyledon tissue. **10**, 164-168 (South and Sung)
- Pinus banksiana*, canker, *Cronartium comptoniae*; sampling efficiency, sweetfern blister rust, density, basal area. **10**, 190-198 (Gross et al.)
- , canker, *Cronartium comptoniae*, epidemiology; spatial distribution, sweetfern blister rust. **10**, 199-208 (Gross et al.)
- Pinus contorta*, cloche-grown; Scotland, seedbed density. **10**, 426-428 (Thompson)
- , cone, moisture, seed release; Alberta. **10**, 239-244 (Hellum and Barker)
- , growth retardants, inhibitors, container-grown, *Picea glauca*; **10**, 510-516 (Weston et al.)
- , phloem, electrical measurements; Montana, U.S.A., predictive model. **10**, 102-106 (Cole and Jensen)
- , *Picea engelmannii*, tracheid morphology; bolewood, height, collapsing force, cell wall thickness, fiber length, lumen diameter, lumen area. **10**, 573-578 (France and Mexal)
- , water stress, stomatal control, leaf conductance, leaf water potential; Colorado, U.S.A. **10**, 82-91 (Running)
- Pinus halpensis*, flooding; seedlings. **10**, 308-311 (Sena Gomes and Kozłowski)
- Pinus palustris*, fungicide, ectomycorrhiza, *Pisolithus tinctorius*, *Thelephora terrestris*; seedling growth, reforestation. **10**, 61-64 (Pawuk et al.)
- Pinus resinosa*, foliar analysis, nutrition; samples by shooting and clipping, Minnesota, U.S.A. **10**, 233-237 (White and Jokela)
- , fungus, decay, roots; barrier zone anatomy. **10**, 224-232 (Tippett and Shigo)
- Pinus strobus*, pollution, sulphur; photosynthesis, needle elongation, Ohio, U.S.A. **10**, 357-361 (Eckert and Houston)
- Pinus sylvestris*, transpiration, Penman-Monteith equation, phosphorus-32; Scotland. **10**, 555-558 (Waring et al.)
- Pinus taeda*, photosynthate allocation; seasonal aspects, North Carolina, U.S.A. **10**, 338-347 (Chung and Barnes)
- , photosynthate allocation; production, consumption, balance, North Carolina, U.S.A. **10**, 348-356 (Chung and Barnes)
- Pisolithus tinctorius*, *Pinus palustris*, fungicide, ectomycorrhiza, *Thelephora terrestris*; seedling growth, reforestation. **10**, 61-64 (Pawuk et al.)
- , water relations, *Quercus alba*, ectomycorrhiza; Missouri, U.S.A. **10**, 545-548 (Dixon et al.)
- pith flecks**, *Acer saccharum*, *Phytobia*, sugar concentration, ray tissue; Wisconsin, U.S.A. **10**, 312-315 (Wallner and Gregory)
- pollen mother cells**, *Ulmus americana*, protoplast; hybrids by protoplast fusion, meiotic cells. **10**, 284-289 (Redenbaugh et al.)
- pollination**, *Chamaecyparis nootkatensis*; British Columbia. **10**, 564-572 (Owens et al.)
- pollution**, fumigation, sulphur, xylem, *Picea abies*; Switzerland. **10**, 1-6 (Keller)
- , *Pinus strobus*, sulphur; photosynthesis, needle elongation, Ohio, U.S.A. **10**, 357-361 (Eckert and Houston)
- , sulphur, chlorophyll, transpiration; growth, injury, woody angiosperms. **10**, 78-81 (Suwannapinunt and Kozłowski)
- polymorphic loci**, *Picea sitchensis*, enzymes; natural populations, IUFRO provenances, British Columbia. **10**, 415-422 (Yeh and El-Kassaby)
- Populus*, cuttings, vegetative propagation; growth regulators, nutrient culture, IBA, NAA. **10**, 107-110 (Phipps et al.)
- , gas exchange, water use efficiency; clones, Belgium. **10**, 429-435 (Ceulemans and Impens)
- , leaf rust, *Larix*, spore trapping; aesciospores, uredospores, phenology, north central U.S.A. **10**, 257-263 (Widen and Schipper)
- Populus deltoides*, stomatal resistance, water relations; Oklahoma, U.S.A. **10**, 447-451 (Kelliher et al.)
- Populus grandidentata*, *Populus tremuloides*, phenology, introgression, hybridization; gene flow, variation, genecology. **10**, 218-223 (Pregitzer and Barnes)
- , biomass, dimensional analysis, net primary production; Michigan, U.S.A. **10**, 92-101 (Koerper and Richardson)
- Populus hybrids*, heat of combustion; clonal variation. **10**, 245-249 (Sastry and Anderson)
- Populus tremuloides*, Hypoxylon, canker; New York, U.S.A., environmental factors. **10**, 17-24 (Bruck and Manion)
- , *Populus grandidentata* phenology, introgression, hybridization; gene flow, variation, genecology. **10**, 218-223 (Pregitzer and Barnes)
- pressure chamber**, water relations, roots, *Tsuga heterophylla*; seedling quality. **10**, 10-16 (Kandiko et al.)
- protoplast**, *Ulmus americana*, pollen mother cells; hybrids by protoplast fusion, meiotic cells. **10**, 284-289 (Redenbaugh et al.)

- Pseudotsuga*, growth, budworm; computer model. **10**, 176-182 (Thomson and Van Sickle)
- _____, growth curves; British Columbia, nonlinear models. **10**, 304-307 (Nokoe)
- _____, nitrogen, phosphorus, fertilizer; factorial fertilizer experiment, nursery growth. **10**, 65-70 (van den Driesche)
- Pseudotsuga menziesii*, *Abies concolor*, food reserves, tussock moth; British Columbia, New Mexico, U.S.A. **10**, 535-540 (Webb)
- _____, cone enhancement, gibberellins, auxins, abscisic acid; method of application of hormones to trees. **10**, 405-414 (McMullan)
- _____, dormancy, mitotic index; seedling development, regeneration. **10**, 371-378 (Carlson et al.)
- _____, fungicides, container-grown; **10**, 423-425 (Thies et al.)
- _____, gibberellin, cone production; Oregon, U.S.A., British Columbia. **10**, 464-469 (Ross et al.)
- _____, water potential, dew-point, hygrometry; British Columbia, soil texture. **10**, 530-534 (Dosskey and Ballard)
- _____, xylem, cambial growth; environmental effects, wood property, cambium marking. **10**, 121-128 (Brix and Mitchell)
- Quercus alba*, food reserves; seasonal allocation, Tennessee, U.S.A. **10**, 379-388 (McLaughlin et al.)
- _____, water relations, *Pisolithus tinctorius*, ectomycorrhiza; Missouri, U.S.A. **10**, 545-548 (Dixon et al.)
- Quercus rubra*, root regeneration, water stress; water potential, seedling establishment, Ohio, U.S.A. **10**, 549-554 (Larson)
- ray tissue, pith flecks, *Acer saccharum*, *Phytobia*, sugar concentration; Wisconsin, U.S.A. **10**, 312-315 (Wallner and Gregory)
- relative growth rate, growth, leaf area ratio; six deciduous tree seedlings in nursery beds. **10**, 35-41 (Farmer)
- root age, advance growth, hardwood reproduction; West Virginia, U.S.A. **10**, 264-268 (Tryon et al.)
- root biomass, *Abies amabilis*, mycorrhiza; Washington, U.S.A., seasonal changes. **10**, 523-529 (Vogt et al.)
- root development, container, bareroot, *Picea sitchensis*; after outplanting, Oregon, U.S.A. **10**, 250-256 (Carlson et al.)
- root regeneration, *Quercus rubra*, water stress; water potential, seedling establishment, Ohio, U.S.A. **10**, 549-554 (Larson)
- rooting, stem cuttings, scarring, adventitious roots, *Picea abies*; **10**, 586-593 (Girouard)
- roots, *Pinus resinosa*, fungus, decay; barrier zone anatomy. **10**, 224-232 (Tippett and Shigo)
- _____, water relations, pressure chamber, *Tsuga heterophylla*; seedling quality. **10**, 10-16 (Kandiko et al.)
- sampling; inventory. **10**, 579-585 (Marshall and Nautiyal)
- sap flow, *Acer saccharum*; environmental factors. **10**, 152-157 (Plamondon and Bernier)
- scaling, photography; truckloads, British Columbia. **10**, 269-277 (Demaerschalk et al.)
- scarification, temperature, soil water; Quebec. **10**, 476-482 (Plamondon et al.)
- scarring, stem cuttings, adventitious roots, *Picea abies*, rooting; **10**, 586-593 (Girouard)
- seedbed, germination, *Chamaecyparis lawsoniana*; Oregon, U.S.A. **10**, 441-446 (Zobel)
- seed input, *Picea glauca*, *Betula papyrifera*, fire; northern mixedwood, secondary succession, Saskatchewan. **10**, 129-134 (Archibald)
- seed release, cone, moisture, *Pinus contorta*; Alberta. **10**, 239-244 (Hellum and Barker)
- shoot development, *Acer saccharum*, phenology; Vermont, U.S.A. **10**, 316-326 (Gregory)
- soil water, scarification, temperature; Quebec. **10**, 476-482 (Plamondon et al.)
- spore trapping, leaf rust, *Populus*, *Larix*; aesciospores, uredospores, phenology, north central U.S.A. **10**, 257-263 (Widen and Schipper)
- spruce budworm, deer wintering; Quebec. **10**, 559-563 (Potvin)
- _____, electrical resistance, *Abies balsamea*; New Hampshire, U.S.A., growth reduction, mortality. **10**, 541-544 (Davis et al.)
- stem cuttings, scarring, adventitious roots, *Picea abies*, rooting; **10**, 586-593 (Girouard)
- stomatal control, *Pinus contorta*, water stress, leaf conductance, leaf water potential; Colorado, U.S.A. **10**, 82-91 (Running)
- _____, water relations, *Populus deltoides*; Oklahoma, U.S.A. **10**, 447-451 (Kelliher et al.)
- stumpage value; single-seller, single-buyer market, forest management. **10**, 135-142 (Nautiyal)
- sugar concentration, pith flecks, *Acer saccharum*, *Phytobia*, ray tissue; Wisconsin, U.S.A. **10**, 312-315 (Wallner and Gregory)
- sulphur, fumigation, xylem, *Picea abies*, pollution; Switzerland. **10**, 1-6 (Keller)
- _____, *Pinus strobus*, pollution; photosynthesis, needle elongation, Ohio, U.S.A. **10**, 357-361 (Eckert and Houston)
- _____, pollution, chlorophyll, transpiration; growth, injury, woody angiosperms. **10**, 78-81 (Suwannapinunt and Kozlowski)
- temperature, scarification, soil water; Quebec. **10**, 476-482 (Plamondon et al.)

- Thelephora terrestris*, *Pinus palustris*, fungicide, ectomycorrhiza, *Pisolithus tinctorius*; seedling growth, reforestation. **10**, 61-64 (Pawuk et al.)
- thinning, fertilization, *Picea mariana*, foliar analysis, nitrogen; Quebec. **10**, 502-509 (Weetman et al.)
- tracheid morphology, *Picea engelmannii*, *Pinus contorta*; bolewood, height, collapsing force, cell wall thickness, fiber length, lumen diameter, lumen area. **10**, 573-578 (France and Mexal)
- transpiration, *Abies grandis*, defoliation; Washington, U.S.A. **10**, 114-116 (Lopushinsky and Klock)
- , *Pinus sylvestris*, Penman-Monteith equation, phosphorus-32; Scotland. **10**, 555-558 (Waring et al.)
- , pollution, sulphur, chlorophyll; growth, injury, woody angiosperms. **10**, 78-81 (Suwannapinunt and Kozlowski)
- Tsuga heterophylla*, *Arceuthobium*; computer, simulation, spread, intensification. **10**, 42-52 (Bloomberg et al.)
- , *Fomes annuosus*; infection rate, thinning. **10**, 389-394 (Chavez et al.)
- , water relations, roots, pressure chamber; seedling quality. **10**, 10-16 (Kandiko et al.)
- tussock moth, *Abies concolor*, *Pseudotsuga menziesii*, food reserves; British Columbia, New Mexico, U.S.A. **10**, 535-540 (Webb)
- Ulmus americana*, Dutch elm disease; BMCB. **10**, 143-151 (Roy et al.)
- , protoplast, pollen mother cells; hybrids by protoplast fusion, meiotic cells. **10**, 284-289 (Redenbaugh et al.)
- urea, merchantable volume, humus fertility, *Abies balsamea*; Quebec. **10**, 470-475 (Roberge et al.)
- vegetative propagation, *Populus*, cuttings; growth regulators, nutrient culture, IBA, NAA. **10**, 107-110 (Phipps et al.)
- virus, *Betula alleghaniensis*; immunosorbent assay, apple mosaic. **10**, 278-283 (Hardcastle and Gotlieb)
- water potential, dew-point, hygrometry, *Pseudotsuga menziesii*; British Columbia, soil texture. **10**, 530-534 (Dosskey and Ballard)
- water relations, *Quercus alba*, *Pisolithus tinctorius*, ectomycorrhiza; Missouri, U.S.A. **10**, 545-548 (Dixon et al.)
- , roots, pressure chamber, *Tsuga heterophylla*; seedling quality. **10**, 10-16 (Kandiko et al.)
- , stomatal resistance, *Populus deltoides*; Oklahoma, U.S.A. **10**, 447-451 (Kelliher et al.)
- water stress, *Pinus contorta*, stomatal control, leaf conductance, leaf water potential; Colorado, U.S.A. **10**, 82-91 (Running)
- , *Quercus rubra*, root regeneration; water potential, seedling establishment, Ohio, U.S.A. **10**, 549-554 (Larson)
- water use efficiency, *Populus*, gas exchange; clones, Belgium. **10**, 429-435 (Ceulemans and Impens)
- Weibull-type function, growth curves; **10**, 117-118 (Bailey)
- , growth curves; **10**, 119 (Kozak and Smith)
- wood density, *Alnus rubra*; growth rate, age, distance from pith, provenance. **10**, 293-299 (Harrington and DeBell)
- X ray, densitometry, growth rings; *Tsuga*, *Pseudotsuga*, *Thuja*, British Columbia. **10**, 169-175 (Smith)
- xylem, cambial growth, *Pseudotsuga menziesii*; environmental effects, wood property, cambium marking. **10**, 121-128 (Brix and Mitchell)
- , fumigation, sulphur, *Picea abies*, pollution; Switzerland. **10**, 1-6 (Keller)